OPERATOR'S MANUAL

11 GALLON PORTABLE AIR COMPRESSOR

TS11OL227

CUSTOMER SERVICE
1-866-242-4298

Your air compressor has been engineered and manufactured to Tool Shop's high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ **WARNING:** To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a Tool Shop product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

IMPORTANT

DO NOT RETURN TO STORE

This unit was fully tested and inspected prior to shipment and will operate properly when instructions are followed. Refer to your owner's manual for basic troubleshooting. **To avoid unnecessary return to the store, simply call Compressor Support toll free for additional assistance.**

Compressor Support: 1-866-242-4298

Please have your model number and serial number available. These can be found on the data label on your product. Retain a copy of your receipt with purchase date for reference.

NOTICE

- Air Compressor will automatically shut off when maximum PSI is reached. When the tank pressure drops to the cut in pressure (low pressure) and the on/off switch is in the ON position, the unit will automatically restart.
- On occasion, maximum pressure in tank will remain until next use thus resulting in a sense of no power (See bullet above).
- To avoid power loss, overheating and ensure power, use additional air hose rather than extension cords.
- It is the consumer's responsibility to drain oil lubed units prior to shipment to meet ICC, state and local fire regulations.

TABLE OF CONTENTS

INTRODUCTION

This tool has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to mantain and operate.
PRODUCT FOR CONSUMER USE ONLY. Not intended for commercial use.

DANGER

This compressor/pump is not equipped and should not be used to supply breathing quality air. Additional equipment would be necessary to properly filter and purify the air to meet minimal specifications for Grade D breathing as described in Compressed Gas Association Commodity Specification G 7.1 - 1966, OSHA 29 CFR 1910.134. Compressed Gas Association, 4221 Walney Road, Fifth Floor, Chantilly, VA 20151-2923, (703) 788-2700, www.cganet.com. Any such additional equipment has not been examined and no implication of proper use for breathing air is intended or implied.

If this compressor is altered in any way, existing warranties shall be voided. Tool Shop disclaims any liabilities whatsoever for any loss, personal injury, or damage.

GENERAL SAFETY RULES

⚠ WARNING:
Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents. Floor must not be slippery from wax or dust.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep bystanders, children, and visitors away while operating tools.** Distractions can cause you to lose control.
- **Operate air compressor in an open area at least 18 in. away from any wall or object that could restrict the flow of fresh air to ventilation openings.**

ELECTRICAL SAFETY

- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord to carry the tool or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
- **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

- **Eye protection which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when loading, operating, or servicing this tool.** Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.
- **The employer and/or user must ensure that proper eye protection is worn.** We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses that provide protection against flying particles both from the front and side. Always use eye protection which is marked to comply with ANSI Z87.1.
- **Additional safety protection will be required in some environments.** For example, the working area may include exposure to a noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection marked to comply with ANSI Z89.1 is used.
- **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- **Use safety equipment. Always wear eye protection.** Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.

TOOL USE AND CARE

- **Do not exceed the pressure rating of any component in the system.**
- **Protect material lines and air lines from damage or puncture.** Keep hose and power cord away from sharp objects, chemical spills, oil, solvents, and wet floors.
- **Check hoses for weak or worn condition before each use, making certain all connections are secure.** Do not use if defect is found. Purchase a new hose or notify an authorized service center for examination or repair.
- **Release all pressures within the system slowly.** Dust and debris may be harmful.
- **Store idle tools out of the reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- **Maintain tools with care.** Follow maintenance instructions. Properly maintained tools are easier to control.
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

GENERAL SAFETY RULES

- **Never point any tool toward yourself or others.**
- **Keep the exterior of the air compressor dry, clean, and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean the unit. Following this rule will reduce the risk of deterioration of the enclosure plastic.

SERVICE

- **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
- **Disconnect power supply, open drain valve to decompress tank and allow water to drain, and allow air compressor to become cool to the touch before servicing.** Turn pressure regulator knob fully counter clockwise after shutting off compressor.
- **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of injury.

SPECIFIC SAFETY RULES

- **Know your power tool.** Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Drain tank of moisture after each day's use.** If unit will not be used for a while, it is best to leave drain valve open until such time as it is to be used. This will allow moisture to completely drain out and help prevent corrosion on the inside of tank.
- **Risk of Fire or Explosion.** Do not spray flammable liquid in a confined area. Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep compressors as far from the spraying area as possible, at least 15 feet from the spraying area and all explosive vapors.
- **Risk of Bursting.** Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment. Do not use at pressure greater than the rated maximum pressure of this compressor.
- **If connected to a circuit protected by fuses,** use time-delay fuses with this product.
- **To reduce the risk of electric shock,** do not expose to rain. Store indoors.
- **Inspect tank yearly for rust, pin holes, or other imperfections that could cause it to become unsafe.** Never weld or drill holes in the air tank.
- **Make sure the hose is free of obstructions or snags.** Entangled or snarled hoses can cause loss of balance or footing and may become damaged.
- **Use the air compressor only for its intended use. Do not alter or modify the unit from the original design or function.**
- **Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.**
- **Never leave a tool unattended with the air hose attached.**
- **Do not operate this tool if it does not contain a legible warning label.**
- **Do not continue to use a tool or hose that leaks air or does not function properly.**
- **Always disconnect the air supply and power supply** before making adjustments, servicing a tool, or when a tool is not in use.
- **Do not attempt to pull or carry the air compressor by the hose.**
- **Your tool may require more air consumption than this air compressor is capable of providing.**
- **Always follow all safety rules recommended by the manufacturer of your tool, in addition to all safety rules for the air compressor.** Following this rule will reduce the risk of serious personal injury.
- **Never direct a jet of compressed air toward people or animals. Take care not to blow dust and dirt towards yourself or others.** Following this rule will reduce the risk of serious injury.
- **Protect your lungs.** Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- **Do not use this air compressor to spray chemicals.** Your lungs can be damaged by inhaling toxic fumes. A respirator may be necessary in dusty environments or when spraying paint. Do not carry while painting.
- **Inspect tool cords and hoses periodically and, if damaged, have repaired at your nearest Authorized Service Center. Constantly stay aware of cord location.** Following this rule will reduce the risk of electric shock or fire.
- **Never use an electrical adaptor with this grounded plug.**
- **Check damaged parts. Before further use of the air compressor or air tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center.** Following this rule will reduce the risk of shock, fire or serious injury.
- **Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. A wire gauge size (A.W.G.) of at least 14 is recommended for an extension cord 50 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.** An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- **WARNING:** This product contains one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this air compressor. If you loan someone this tool, load them these instructions also.

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
~	Alternating Current	Type of current
⧈	Class II Construction	Double-insulated construction
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles, safety glasses with side shields, or a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.
	Risk of Bursting	Do not adjust the regulator to result in output pressure greater than the marked maximum pressure of the attachment. Do not use at a pressure greater than the rated maximum pressure of this compressor.
	Risk of Fire or Explosion	Do not spray flammable liquid in a confined area. Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep compressors as far from the spraying area as possible, at least 15 feet from the spraying area and all explosive vapors.
	Risk of Electrical Shock	Hazardous Voltage: Disconnect from power source before servicing. Compressor must be grounded.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
	Risk to hearing	Always wear ear protection when using this tool. Failure to do so may result in hearing loss.
	Risk to Breathing	Air obtained directly from the air compressor should never be used to supply air for human consumption.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
⚠	**DANGER:**	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
⚠	**WARNING:**	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
⚠	**CAUTION:**	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you contact Customer Service at 1-866-242-4298.

⚠ WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. Save this operator's manual and review frequently for continuing safe operation and instructing others who may use this product.

⚠ WARNING:

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles, safety glasses with side shields, or a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

SAVE THESE INSTRUCTIONS

ELECTRICAL

EXTENSION CORDS

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the air compressor's plug. When using the air compressor at a considerable distance from the power source, use an extension cord heavy enough to carry the current that the compressor will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and causing the motor to overheat. Use the chart provided below to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

**Ampere rating (on air compressor data plate)

	0-2.0	2.1-3.4	3.5-5.0	5.1-7.0	7.1-12.0	12.1-16.0
Cord Length	**Wire Size (A.W.G.)**					
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	—

**Used on 12 gauge - 20 amp circuit.
NOTE: AWG = American Wire Gauge

When working with the air compressor outdoors, use an extension cord that is designed for outside use. This is indicated by the letters "WA" on the cord's jacket.

Before using an extension cord, inspect it for loose or exposed wires and cut or worn insulation.

⚠ WARNING:

Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools, or other obstructions while you are working with a power tool. Failure to do so can result in serious personal injury.

⚠ WARNING:

Check extension cords before each use. If damaged, replace immediately. Never use air compressor with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

NOTE: Use longer air hoses instead of long extension cords. Your air compressor will run better and last longer.

ELECTRICAL CONNECTION

This air compressor is powered by a precision built electric motor. It should be connected to a **power supply that is 120 volts, 60 Hz, AC only (normal household current).** Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If the air compressor does not operate when plugged into an outlet, double check the power supply.

SPEED AND WIRING

The no-load speed of the electric motor varies by model and specification. The motor speed is not constant and decreases under a load or with lower voltage. For voltage, the wiring in a shop is as important as the motor's horsepower rating. A line intended only for lights cannot properly carry a power tool motor. Wire that is heavy enough for a short distance will be too light for a greater distance. A line that can support one power tool may not be able to support two or three tools.

GROUNDING INSTRUCTIONS

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This air compressor is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

⚠ WARNING:

Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Repair or replace a damaged or worn cord immediately.

This product is for use on a nominal 120-V circuit and has a grounding plug similar to the plug illustrated in Figure 1. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product.

Never use an electrical adaptor with this grounded plug.

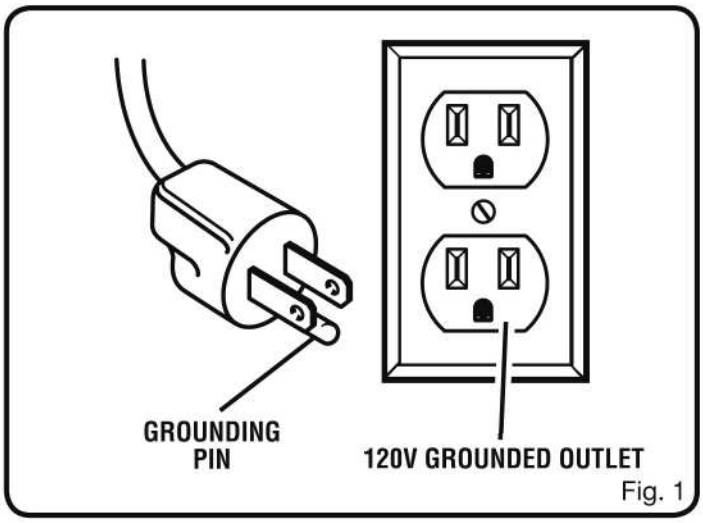


Fig. 1

GLOSSARY OF TERMS

Air Filter
Porous element contained within a metal or plastic housing attached to the compressor cylinder head which removes impurity from the intake air of the compressor.

Air Tank
Cylindrical component which contains the compressed air.

Check Valve
Device that prevents compressed air from flowing back from the air tank to the compressor pump.

Cut-In Pressure
The low pressure at which the motor will automatically restart.

Cut-Off Pressure
The high pressure at which the motor will automatically shut off.

Electric Motor
Device which provides the rotational force necessary to operate the compressor pump.

Manual On/Off Switch
Control which turns the air compressor on or off. The pressure switch will not automatically start and control the compressor unless the manual On/Off Switch is in the **ON (I)** position.

NPT (National Pipe Thread)
National Pipe Thread is a U.S. standard for tapered (NPT) or straight (NPS) threads used to join pipes and fittings. A thread sealing tape must be used to provide a leak-free seal on pipe threaded connections.

Pressure Regulator Knob
Regulates the outgoing pressure from the air outlet to the tool. It is possible to increase or decrease the pressure at the outlet by adjusting this control knob.

Pressure Switch
Automatically controls the on/off cycling of the compressor. It stops the compressor when the cut-off pressure in the tank is reached and starts the compressor when the air pressure drops below the cut-in pressure.

PSI (Pounds Per Square Inch)
Measurement of the pressure exerted by the force of the air. The actual psi is measured by a pressure gauge on the compressor.

Pump
Produces the compressed air with a reciprocating piston contained within the cylinder.

Regulator Pressure Gauge
Displays the current line pressure. Line pressure is adjusted by rotating the pressure regulator knob.

Safety Valve
Prevents air pressure in the air tank from rising over a predetermined limit.

SCFM (Standard Cubic Feet Per Minute)
A unit of measure of air delivery.

L/min (Liter Per Minute)
A unit of measure of air delivery.

Tank Pressure Gauge
Indicates the pressure in the air tank.

Thermal Overload Switch
Automatically shuts off the compressor if the temperature of the electric motor exceeds a predetermined limit.

TOOLS NEEDED

The following tools are needed in order to assemble the wheel kit.

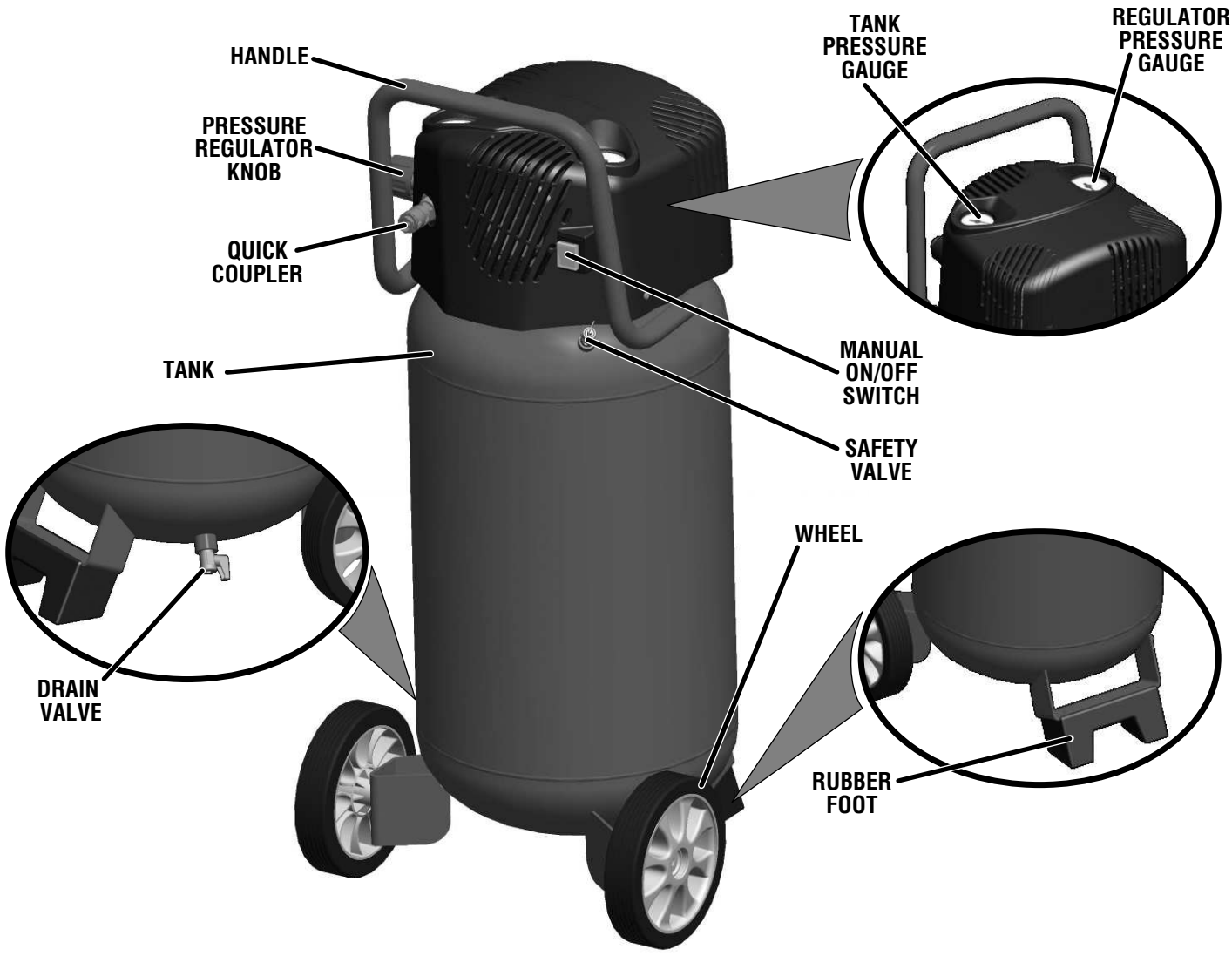
TWO OPEN-END WRENCHES

FEATURES

PRODUCT SPECIFICATIONS

Running Horsepower..... 1.2 HP
Air Tank Capacity.....11 gal.
Air Pressure.....135 PSI max.
Air Delivery ..... 3.2 SCFM @ 90 PSI
..... 4.2 SCFM @ 40 PSI
Lubrication ..... Oil-Free
Gauges ..... one gauge 1.5 in., one gauge 2.0 in. diameter
Input..... 120 V, 60 Hz, AC only, 13.5 Amps
Net Weight (only compressor) .....49.6 lbs.

Fig. 2



FEATURES

KNOW YOUR AIR COMPRESSOR

See Figure 2.
Before attempting to use this product, familiarize yourself with all operating features and safety rules.

OIL-FREE UNIVERSAL MOTOR

Your air compressor features permanently lubricated bearings.

PRESSURE REGULATOR KNOB

Use the pressure regulator knob to adjust the amount of air being delivered through the hose.

REGULATOR PRESSURE GAUGE

The current line pressure is displayed on the regulator pressure gauge. This pressure can be adjusted by rotating the pressure regulator knob.

SAFETY VALVE

The safety valve is designed to automatically release air if the air receiver pressure exceeds the preset maximum.

TANK PRESSURE GAUGE

The tank pressure gauge indicates the pressure of the air in the tank.

ASSEMBLY

UNPACKING

- Carefully remove the compressor from the box. Make sure that all items listed in the packing list are included.
- Inspect the compressor carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-866-242-4298 for assistance.

PACKING LIST

Air Compressor
Operator's Manual
Sheet "Do not return to store"

⚠ WARNING:
If any parts are missing do not operate the compressor or air tools until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

⚠ WARNING:
Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

ASSEMBLY

ASSEMBLING THE RUBBER FOOT AND WHEELS

See Figure 3.

- Mount the rubber foot as shown in figure 3. Tighten firmly with an open-end wrench (not included) to secure it in position.

  Rubber foot packing list:
  - Screw 8 mm (2)
  - Washer (2)
  - Rubber Foot (1)
  - Nut 8 mm (2)

- Mount the wheels as shown in figure 3. Tighten firmly with an open-end wrench (not included) to secure the wheels in position.

  Wheel packing list:
  - Screw 10 mm (2)
  - Wheel (2)
  - Nut 10 mm (2)
  - Wheel Plug (2)

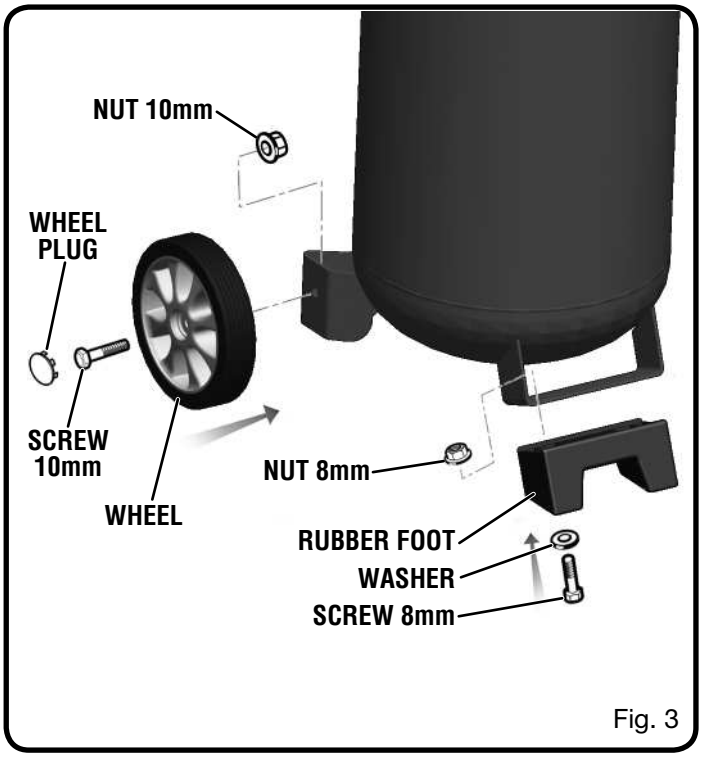


Fig. 3

ASSEMBLY

BREAKING IN THE PUMP

See Figure 4 - 5.

- Check and tighten all bolts, fittings, etc.
- Turn the pressure regulator knob fully clockwise to open the air flow.
- Place the switch in the **OFF (O)** position and plug in the power cord.
- Open the drain valve completely.
- Turn the air compress **ON (I)** and run the air compressor for 10 minutes to break in pump parts.
- Place the switch in the **OFF (O)** position.
- Close the drain valve.

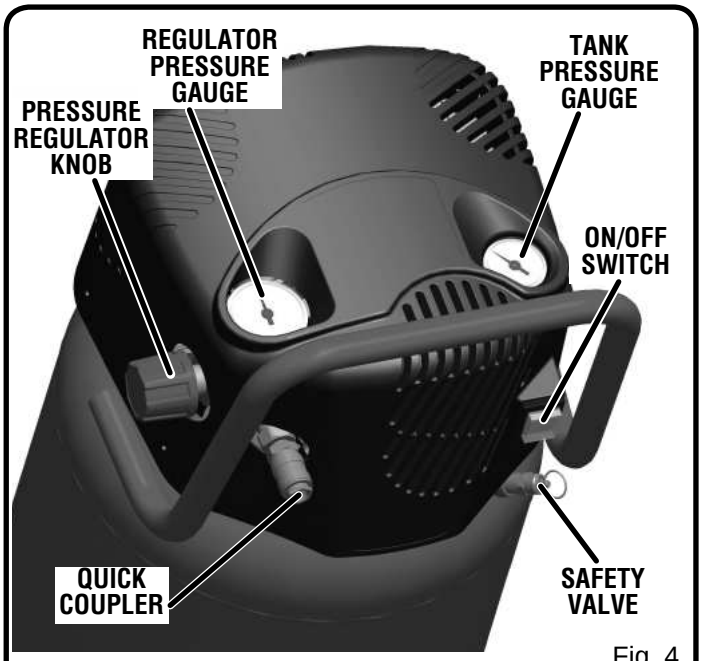


Fig. 4

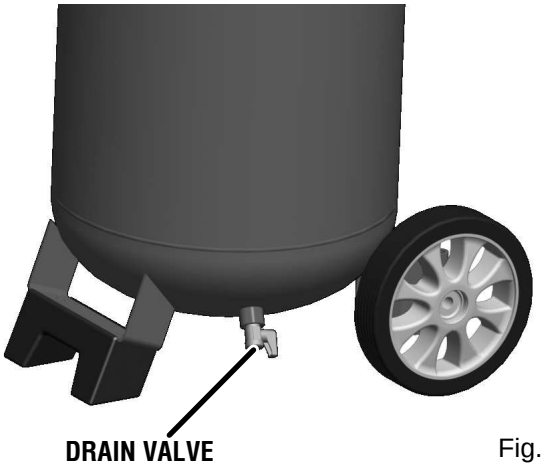


Fig. 5

ATTACHING HOSE

See Figure 6.

- Make sure the air compressor is off and unplugged.
- Rotate pressure regulator knob fully counterclockwise.
- Insert the hose into the quick coupler already installed on the compressor (Fig. 6).

⚠ WARNING:

Do not attach any tools to the open end of the hose until start-up has been completed.

- Firmly grasp the open end of the hose; hold facing away from yourself and others.

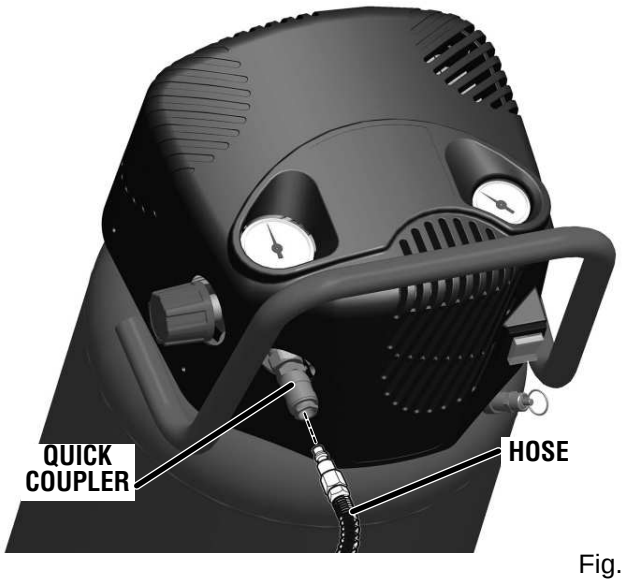


Fig. 6

OPERATION

APPLICATIONS

Air compressors are utilized in a variety of air system applications. Match hoses, connectors, air tools, and accessories to the capabilities of the air compressor.

You may use this tool for purposes listed below:

- Operating some air-powered tools.
- Inflating tires, air beds, sports equipment, etc.

USING THE AIR COMPRESSOR

See Figure 7 - 8.

- Ensure tank drain valve is closed (see Fig. 7).
- Ensure ON/OFF power switch is in the **OFF (O)** position and air compressor is unplugged (see Fig. 7).
- Ensure Pressure Regulator Knob is turned fully counterclockwise (see Fig. 7).
- If not already installed, attach hose to compressor.
- Connect air powered tools to air hose by inserting the male quick-connect plug to the quick-coupler at the end of the coil hose (see Fig. 8).
- Connect the power cord to the power supply.
- Turn the switch **ON (I)**.
- Rotate pressure regulator knob to desired line pressure. Turning the knob clockwise increases air pressure at the outlet; turning counterclockwise reduces air pressure at the outlet.
- **NOTE:** Before connecting or disconnecting air tools turn the regulator knob counter-clockwise to stop the flow of air.
- Following all safety precautions in this manual and the manufacturer's instructions in the air tool manual, you may now proceed to use your air-powered tool.
- If using an inflation accessory with a quick-connect fitting, control the amount of air flow with the pressure regulator knob. Turning the knob fully counter-clockwise will completely stop the flow of air.
  NOTE: Always use the minimum amount of pressure necessary for your application. Using a higher pressure than needed will drain air from the tank more rapidly and cause the unit to cycle on more frequently.
- When finished, always drain the tank and unplug the unit. Never leave the unit plugged in and/or running unattended.

⚠ WARNING:

Check the air tool manual to insure the correct air pressure regulator setting for optimum operation of your air tools. If you are using an air tool not originally included with the air tool kit supplied with this air compressor, your tool may require more air consumption than this air compressor is designed to supply. Always read your air tool owner's manual to match the correct air supply to your air tool to avoid damage to the tool or risk of personal injury.

⚠ WARNING:

Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

CAUTION:

Do not use in an environment that is dusty or otherwise contaminated. Using the air compressor in this type of environment may cause damage to the unit.

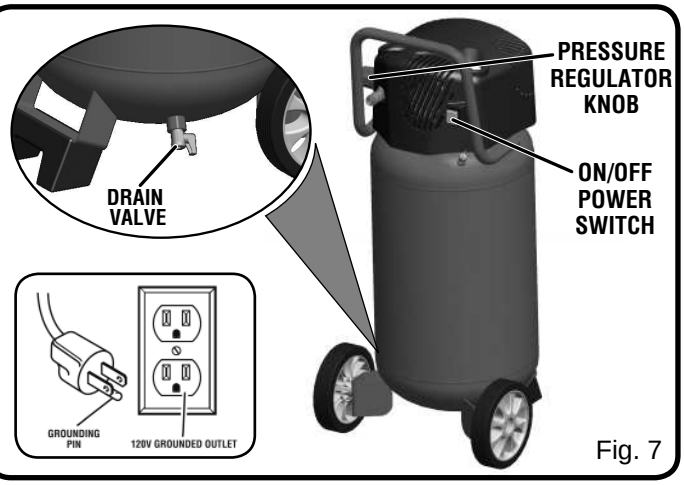


Fig. 7

⚠ WARNING:

Always ensure the switch is in the **OFF (O)** position and the regulator pressure gauge reads zero before changing air tools or disconnecting the hose from the air outlet. Failure to do so could result in possible serious personal injury.

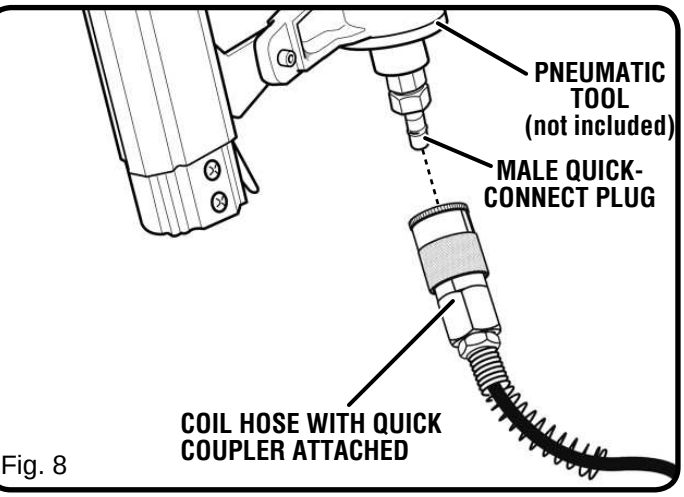


Fig. 8

OPERATION

DRAINING THE TANK

See Figure 9 - 10.

To help prevent tank corrosion and keep moisture out of the air used, the tank of the compressor should be drained daily.

A correct use of the drain valve:

- Verify that the compressor is turned off.
- Holding the handle, tilt the compressor toward the drain valve so that it's set in a lower position.
- Open the drain valve completely.
- Keep the compressor tilted (figure 10) until all moisture has been removed.
- Drain moisture from tank into a suitable container. **NOTE:** Condensate is a pollution material and should be disposed of in compliance with local regulations.
- If drain valve is clogged, release all air pressure by pulling the safety valve. Remove and clean valve, then reinstall.

⚠ WARNING:

Unplug the air compressor and release all air from the tank before servicing. Failure to depressurize tank before attempting to remove valve may cause serious personal injury.

- Turn off drain valve until completely closed.

CHECKING THE SAFETY VALVE

See Figure 11.

⚠ WARNING:

Do not attempt to tamper with safety valve. Anything loosened from this device could fly up and hit you. Failure to heed this warning could result in death or serious personal injury.

The safety valve will automatically release air if the air receiver pressure exceeds the preset maximum. The valve should be checked before each day of use by pulling the ring by hand.

- Turn the air compressor on and allow the tank to fill. The compressor will shut off when the pressure reaches the preset maximum.
- Turn the air compressor off.
- Pull the ring on the safety valve to release air for twenty seconds.
- Release the ring. Air will stop escaping when the ring is released at approximately 20 psi. Any continued loss of air after releasing the safety valve ring indicates a problem with the safety valve. Discontinue use and seek service before continued use of the air compressor.

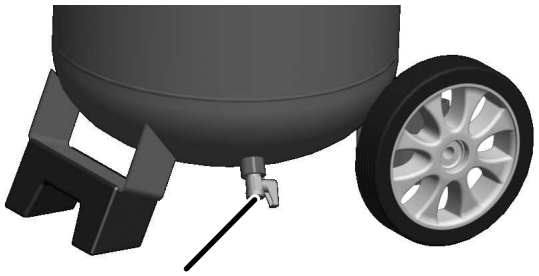


Fig. 9

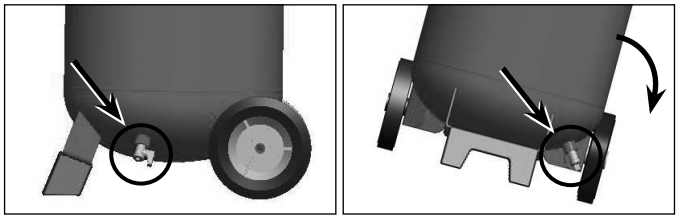


Fig. 10

Fig. 11

⚠ WARNING:

If air leaks after the ring has been released, or if the valve is stuck and cannot be actuated by the ring, Do Not use the air compressor until the safety valve has been replaced. Use of the air compressor in this condition could result in serious personal injury.

END OF OPERATION/STORAGE

- Turn ON/OFF power switch to the **OFF (O)** position.
- Unplug power cord from wall outlet and wrap around handle area to prevent damage when not in use.
- Wearing safety glasses drain tank of air by pulling the ring on the safety valve. Use other hand to deflect fast moving air from being directed toward your face.
- Drain tank of condensation by opening drain valve on bottom of tank. Tank pressure should be below 10 psi when draining tank.
- Air hose should be disconnected from compressor and hung open ends down to allow any moisture to drain.
- Compressor and hose should be stored in a cool, dry place.

OPERATION

OVERLOAD PROTECTOR

This air compressor is equipped with a thermal overload device which will turn the air compressor off automatically, if the air compressor becomes overheated. If the motor turns OFF repeatedly, check for the following possible causes first: Low Voltage from the outlet. Lack of proper ventilation or outside air or room temperature too high. Extension cord too long or wrong gauge wire used.

To reset the air compressor:

- Turn the air compressor off.
- Unplug the air compressor, and allow it to cool for 30 minutes.
- Plug the air compressor into an approved outlet.
- Turn the air compressor on.

MAINTENANCE

WARNING:
When servicing, use only identical Tool Shop replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING:
Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

WARNING:
Always release all pressure, disconnect from power supply, and allow unit to cool to the touch before cleaning or making repairs on the air compressor.

GENERAL MAINTENANCE

Humidity in the air causes condensate to form in the air tank. This condensate should be drained daily and/or every hour, using the instructions found in **Draining the Tank**.

The safety valve automatically releases air if the air receiver pressure exceeds the preset maximum. Check the safety valve before each use following the instructions found in **Checking the Safety Valve**.

Inspect the tank yearly for rust, pin holes, or other imperfections that could cause it to become unsafe.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

WARNING:
Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemical can damage, weaken or destroy plastic which may result in serious personal injury. Electric tools used on fiberglass material, wall-board, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these type of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

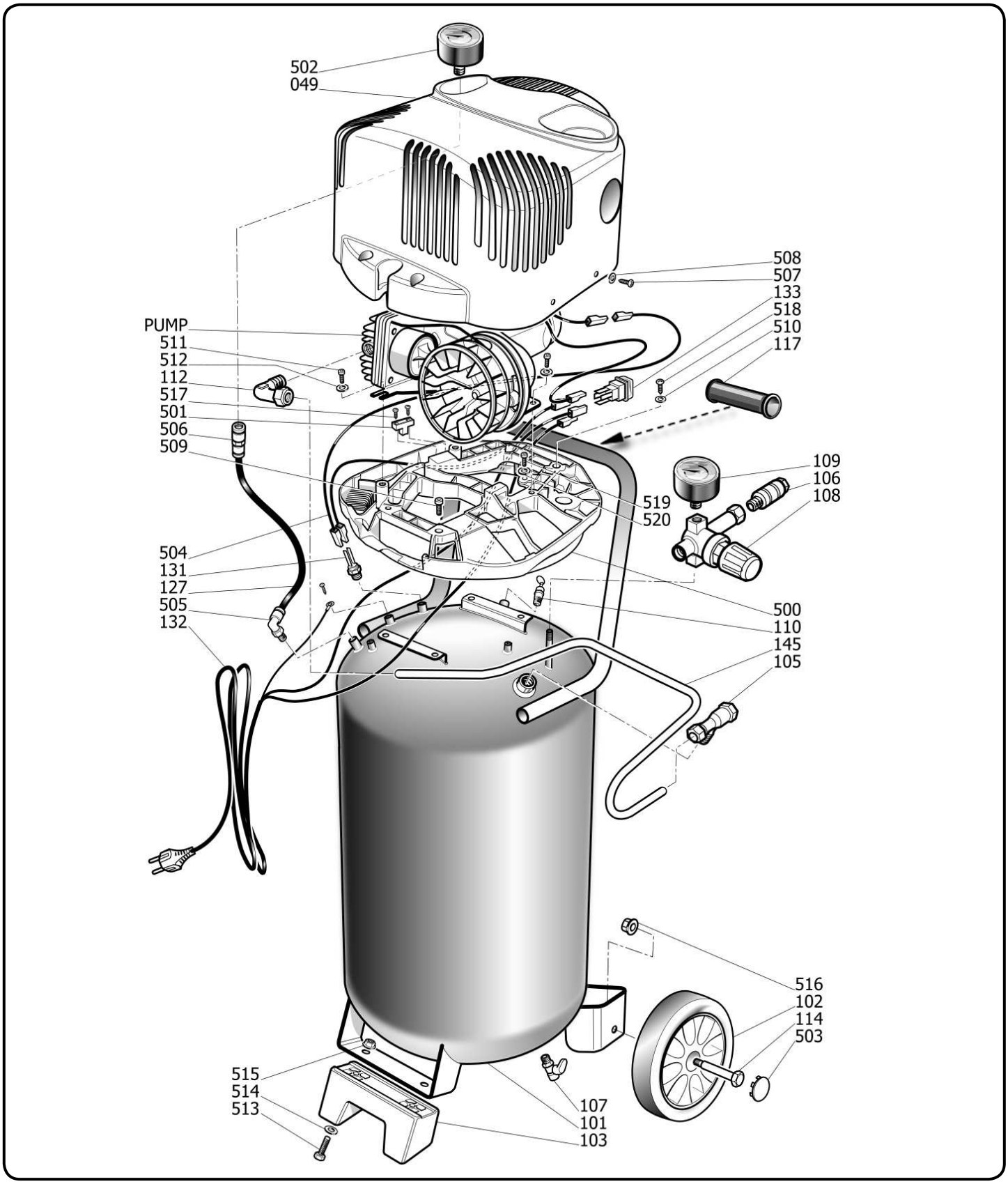
All the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication of the bearings is required.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor will not run	Tank has sufficient pressure.	Compressor will turn on when tank pressure drops to cut-in pressure.
	No electrical power.	Check to be sure unit is plugged in.
	Blown stop/house fuse.	Replace shop/house fuse.
	Tripped shop/home breaker.	Reset shop/home breaker, determine why problem happened.
	Thermal overload open.	First unplugged the compressor and wait until it becomes cool. After that compressor can be used.
	Loss of power or overheating.	Check for proper use of extension cord.
	Pressure switch is bad.	Replace pressure switch.
Motor hums but cannot run or runs slowly	Low voltage.	Check with voltmeter.
	Wrong gauge wire or length of extension cord.	Check for proper gauge wire and cord length.
	Shorted or open motor winding.	Take compressor to service center.
	Defective check valve or unloader.	Take compressor to service center.
Fuses blow/circuit breaker trips repeatedly	Incorrect size fuse, circuit overload.	Check for proper fuse, use time-delay fuse, disconnect other electrical appliances from circuit or operate compressor on its own branch circuit.
	Wrong gauge wire or length of extension cord.	Check for proper gauge wire and cord length.
	Defective check valve or unloader.	Take compressor to service center.
Thermal overload protector cuts out repeatedly	Low voltage.	Check with voltmeter.
	Lack of proper ventilation/room temperature too high.	Move compressor to well-ventilated area.
	Wrong gauge wire or length of extension cord.	Check for proper gauge wire and cord length.
Air receiver pressure drops when compressors shuts off	Loose connections (fittings, tubing, etc.).	Check all connections with soap and water solution and tighten.
	Loose drain valve.	Tighten drain valve.
	Check valve leaking.	Take compressor to service center. **⚠ WARNING:** Do not disassemble check valve with air in tank - bleed tank.
Excessive moisture in discharge air	Excessive water in air tank.	Drain tank.
	High humidity.	Move to area of less humidity; use air line filter.
Air leaking	Loose or improperly sealed hose connection.	Ensure connections are sealed with thread sealing tape and tightened.
	Broken or damaged air hose.	Replace air hose.
Compressor runs continuously	Tank drain valve open.	Ensure tank drain valve is closed.
	Defective pressure switch.	Take compressor to service center.
	Excessive usage.	Decrease air usage; compressor not large enough for tool's requirement.
Compressor vibrates	Loose mounting bolts.	Tighten mounting bolts.
Air output lower than normal	Broken inlet valves.	Take compressor to service center.
	Connections leaking.	Apply thread sealing tape to fitting and tighten.

REPLACEMENT PARTS LIST

PARTS DIAGRAM – AIR COMPRESSOR



REPLACEMENT PARTS LIST

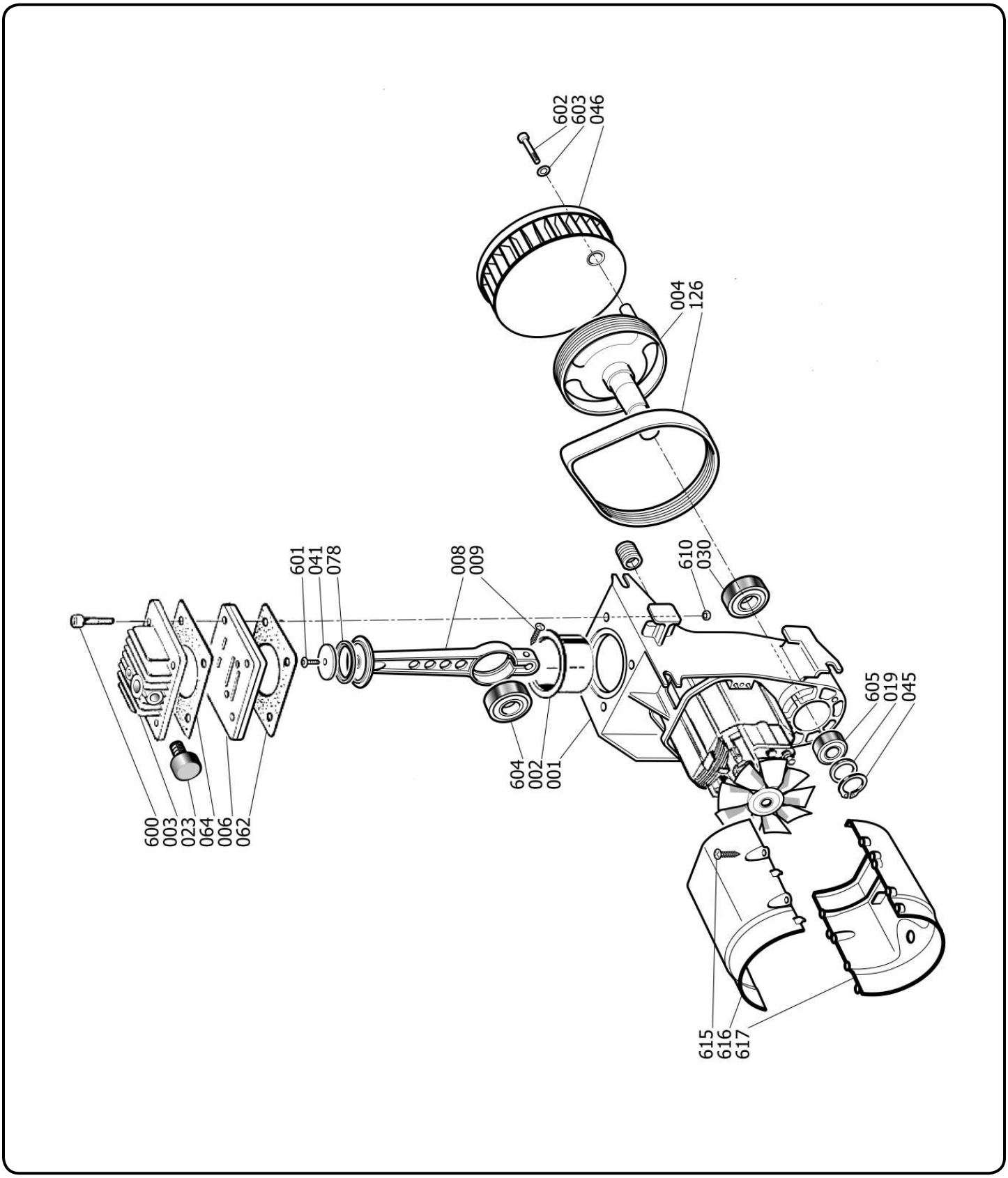
AIR COMPRESSOR PARTS LIST – MODEL NO. TS11OL227

The model number will be found on a plate attached to air tank. Always mention the model number in all correspondence regarding your PORTABLE AIR COMPRESSOR or when ordering replacement parts.

KEY NO.	CODE	DESCRIPTION	QTY
049	9038571	SEMIPLASTIC COVER UPPER	1
101	9413382035	TANK 12 GAL VERTICAL	1
102	9042039	WHEEL	2
103	9038481	RUBBER FOOT	1
105	9048062	CHECK VALVE	1
106	9047061	QUICK COUPLING	1
107	9047084	DRAIN VALVE	1
108	9051155	PRESSURE REDUCER	1
109	9052127	GAUGE	1
110	9049105	SAFETY VALVE	1
112	9050521	ELBOW	1
114	9011049	WHEEL PIN	2
117	9038408	RUBBER HANDLE	1
127	9270048	RILSAN PIPE	1,15 ft
131	9063200	PRESSURE SWITCH	1
132	9065680	CORD WITH PLUG	1
133	9414765	POWER SWITCH	1
145	9043345	SENDING PIPE	1
500	9038570	SEMIPLASTIC COVER LOWER	1
501	9064788	LOCK CABLE	1
502	9414744	GAUGE	1
503	9038402	WHEEL PLUG	2
504	9064815	WIRING	1
505	9050565	ELBOW	1
506	9050566	CONNECTOR STRAIGHT	1
507	9142803	SCREW PARKER 4,2x22	4
508	9131655	WASHER D5	4
509	9414746	SCREW M6x20 WITH WASHER	1
510	9131520	WASHER D6	3
511	9101976	SCREW M6x15	3
512	9131641	WASHER D6	3
513	9412230	SCREW M8x50	2
514	9131112	WASHER D8	2
515	9122333	NUT M8	2
516	9122362	NUT M10	2
517	9142241	SCREW PARKER 4,2x16	2
518	9101244	SCREW M6x20	3
519	9104024	SCREW M5x16	2
520	9131126	WASHER D5,5	2
PUMP	C700062	PUMP OL227 120/60	1

REPLACEMENT PARTS LIST

PARTS DIAGRAM – PUMP UNIT



REPLACEMENT PARTS LIST

PUMP UNIT PARTS LIST − MODEL NO. OL227

Always mention the model number when ordering replacement parts.

KEY NO.	CODE	DESCRIPTION	QTY
001	**9416794**	ASSEMBLY MOTOR/CARTER OL227 120V FIFTY	1
002	**A731000**	CYLINDER BARREL OL196	1
003	**9415051**	HEAD MACHINED OL195 SIL.	1
004	**A861200**	CRANKSHAFT OL197 POLY V J4	1
006	**9415091**	VALVE PLATE ASSEMBLY OL195S	1
008	**C710100**	CONROD/PISTON MACH.OL227	1
009	**9101174**	SCREW HCEI 4x18 R80 BRN 5931	1
019	**9131654**	WASHER 6X12X1,5(6592) ROHS	1
023	**9054016**	AIR FILTER	1
030	**9170115**	BEARING 6203 2Z XL	1
041	**C710300**	CONROD COVER OL227	1
045	**9140211**	SEEGER 12 UNI 7435 ROHS	1
046	**9038711**	FAN OL227 UL	1
062	**A650300**	GASKET CYLINDER - VALVE PLATE SP200 0.8MM	1
064	**9415052**	GASKET PLATE-HEAD OL195SIL	1
078	**9040019**	SEAL SP200	1
126	**9075316**	BELT POLY V J4 373	1
600	**9411228**	SCREW TCEI 6X35 BRN 5931 129	4
601	**9103284**	SCREW TSEI 6X20 10.9 FST 5933	1
602	**9101555**	SCREW TCEI 5X16 LEFT R80 ROHS	1
603	**9134401**	WASHER NOTCHED D.5 ROHS	1
604	**9415531**	BEARING 6201 2RS P6 C3 HT 170°	1
605	**9170112**	BEARING 6001 2RS QUALITY P6 XL	1
610	**9122453**	NUT M6 6S ZNT B 24032 10	4
615	**9142591**	SCREW PARKER AB 3.9X13 ZNT	4
616	**9038579**	SEMIPLASTIC COVER (UPPER) OL197/45 NB UL CL	1
617	**9038578**	SEMIPLASTIC COVER (LOWER) OL197/45 NB UL CL	1

TOOL SHOP® 11 GAL AIR COMPRESSOR WARRANTY

1-YEAR LIMITED WARRANTY:

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOLSHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse, misuse, neglect, alteration, modification or repair by other than a service center authorized to repair TOOL SHOP branded air compressors. This warranty: (1) excludes Expendable materials including but not limited to motor brushes, seals, etc. are not covered by this warranty. (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose.

Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts – Please call toll free at: **1-866-242-4298**. (M-F 8am – 6pm)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.

NOTES

OPERATOR'S MANUAL

11 GALLON PORTABLE AIR COMPRESSOR

TS11OL227

CUSTOMER SERVICE
1-866-242-4298